

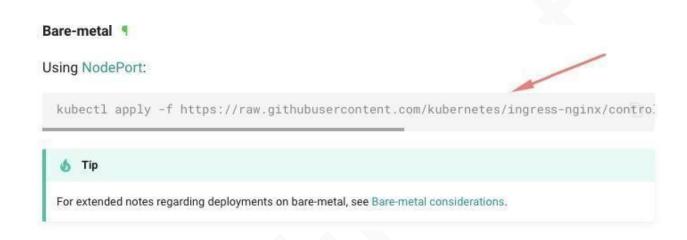
Module 7: Hands-On: Creating an Ingress

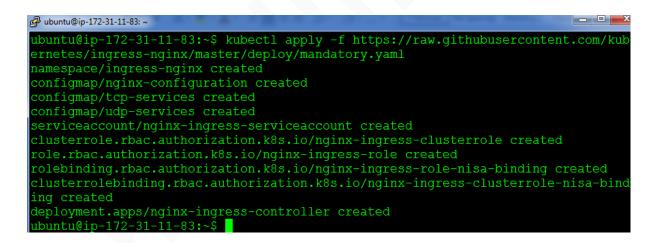


Steps for Master:

Visit this website: https://kubernetes.github.io/ingress-nginx/deploy/#bare-metal

Step 1: Copy and paste the command from the above website and paste it in the terminal







Step 3: Next, since ingress routes to only ClusterIP services, let us delete our previously created NGINX NodePort service and create a service with ClusterIP for NGINX. Use the following commands:

```
$ kubectl delete service nginx
$ kubectl create service clusterip nginx –tcp=80:80
```

```
ubuntu@ip-172-31-11-83:~$ kubectl delete service nginx service "nginx" deleted ubuntu@ip-172-31-11-83:~$ kubectl create service clusterip nginx --tcp=80:80 service/nginx created ubuntu@ip-172-31-11-83:~$
```

Step 4: Next, we will have to create an ingress rule. Create an ingress.yaml file with the below code:





Step 5: Finally, create the ingress rule using the following command:

```
$ kubectl create –f ingress.yaml
```

```
ubuntu@ip-172-31-11-83:~$ kubectl create -f ingress.yaml ingress.extensions/simple-fanout-example created ubuntu@ip-172-31-11-83:~$
```

Step 6: Let's verify if ingress is working or not by checking the NodePort of the ingress service. To check the NodePort use the following command:

```
$ kubectl get svc –n ingress-nginx
```

```
ubuntu@ip-172-31-11-83:~$ kubectl get svc -n ingress-nginx

NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S)

AGE
ingress-nginx NodePort 10.98.234.221 <none> 80:30778/TCP,443:31672/
TCP 10m

ubuntu@ip-172-31-11-83:~$
```



Step 7: Finally verify by browsing to https://:/nginx

https://18.219.111.151:31672/nginx

Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to <u>nginx.org</u>. Commercial support is available at <u>nginx.com</u>.

Thank you for using nginx.